

Work Order ID 59741

Thursday, June 10, 2010 10:46:20 AM

Page 1

Item ID: DSI 9494-011

Accept

Setup Start

Revision ID:

Stop

Item Name: 212/412 Canister Upgrade

Start Date: 6/10/2010 Start Qty: 1.00

Cust Item ID:

Required Date: 6/14/2010 Req'd Qty: 1.00

Customer:

Reference:

Approvals:

Process Plan: *mf*Date: *10-6-10*

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

DSI 9494

A

100

0.00



DC

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPP DSI 9494-011
CHG001*Subtotal*

110

Pick Kit

0.00



Packaging

Memo

0.00

Packaging

10-6-11 *sf* *(K)*

120

QC4- 100% Inspect kits for completeness

0.00



QC

Memo

0.00

Quality Control

*Subtotal**(K)*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

• **NOTE:** Date & initial all entries

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Date:

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Date:

SPC (Y/N):

Date:

Run

Start

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00



Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP DSI 9494-011

Location: _____

PPP rev: A

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10-6-16 SP 10

10/06/16 MK 10-6-16

Dart Aerospace Ltd

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Picklist Print

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Page 1

Work Order ID: 59741

Parent Item: DSI 9494-011

Parent Item Name: 212/412 Canister Upgrade

Comments: IPP Rev:A new issue DD 10.03.31 verified by:EC


Start Date: 6/10/2010

Required Date: 6/14/2010

Start Qty: 1.00


Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

AN815-8D  Union-M-Flare		Purchased	No			110	Each	18.0000	1	1			
---	--	-----------	----	--	--	-----	------	---------	---	---	--	--	--


Location Loc Qty Loc Code

ST329 18
113749 8
114544 10

AN833-8D  ELBOW		Purchased	No			110	Each	19.0000	1	1			
---	--	-----------	----	--	--	-----	------	---------	---	---	--	--	--


Location Loc Qty Loc Code

ST333 19
10 9
114544 10

AN924-8D  NUT		Purchased	No			110	Each	17.0000	1	1			
--	--	-----------	----	--	--	-----	------	---------	---	---	--	--	--

Location Loc Qty Loc Code

ST335 17
114341 9
114544 8

D3262-043  Canister Assembly		Manufactured	No			110	Each	2.0000	1	1			
--	--	--------------	----	--	--	-----	------	--------	---	---	--	--	--

Location Loc Qty Loc Code

ST144 2
58295 2

10-6-11 SP

M114341 10-6-11 SP

10-6-11 SP

B59852 10-6-16 SP

W/O:		WORK ORDER CHANGES					
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Work Order ID: 59741



Parent Item: DSI 9494-011



Parent Item Name: 212/412 Canister Upgrade

Start Date: 6/10/2010

Required Date: 6/14/2010

Comments: IPP Rev:A new issue DD 10.03.31 verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D3299-7

Manufactured

No

110

Each

15.0000

1

1



Fitting

Location

Loc Qty

Loc Code

ST050

15

57411

15

D4054-001

Manufactured

No

110

Each

7.0000

1

1



Tube Assembly

Location

Loc Qty

Loc Code

ST193

7

57412

1

58970

6

D4054-003

Manufactured

No

110

Each

7.0000

1

1



Tube Assembly

Location

Loc Qty

Loc Code

ST193

7

57413

1

58971

6

D4054-009

Manufactured

No

110

Each

9.0000

1

1



Tube Assembly

Location

Loc Qty

Loc Code

ST109

3

57414

3

ST193

6

58157

6

Thursday, June 10, 2010 10:46:20 AM

Shop Packet Print

Page 2

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Start Date: 6/10/2010

Required Date: 6/14/2010

Comments: IPP Rev:A new issue DD 10.03.31 verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MS29512-08  O-RING		Purchased	No			110	Each	28.0000	2	2			



10-6-1156/12 @

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST294	28	
113706	28	

2

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-706 REV. A AND ICA-D412-706 REV. 0

REF TCCA STC: SH04-54
REF FAA STC: SR02055NY
REF. EASA STC: EASA.IM.R.S.01180

REFERENCE ONLY

DESCRIPTION:

AT CHG 002, THE D412-706-011 FUEL PURGE CANISTER INSTALLATION HAS BEEN MODIFIED WITH LARGER VENT LINES TO ELIMINATE BACK PRESSURE THAT MAY OCCUR WHEN STARTING THE SECOND ENGINE IF THE CANISTER HAS NOT BEEN PROPERLY DRAINED. THE BACK PRESSURE IS EVIDENCED BY AN ONGOING VAPOR DISCHARGE FROM THE CANISTER VENT AT LOW TO MEDIUM RPM WHILE STARTING THE 2nd ENGINE. THE UPDATED PARTS LIST IS SHOWN BELOW:

IS




QTY -011	PART NUMBER	DESCRIPTION
X	D412-706-011	FUEL PURGE CANISTER INSTALLATION (212/412)
1	D2001-4	VALVE ASSEMBLY
1	D3262-043	CANISTER ASSEMBLY (WAS D3262-041)
2	D3264-1	BRACKET
1	D3297-1-0098	HOSE ASSEMBLY
1	D3297-3-0085	HOSE ASSEMBLY
1	D3297-3-0210	HOSE ASSEMBLY
1	D4054-001	TUBE ASSEMBLY (WAS D3298-001)
1	D4054-003	TUBE ASSEMBLY (WAS D3298-003)
1	D3298-005	TUBE ASSEMBLY
1	D3298-007	TUBE ASSEMBLY
1	D4054-009	TUBE ASSEMBLY (WAS D3298-009)
1	D3299-7	FITTING (WAS 3299-1)
1	D3299-3	FITTING
1	D3299-5	FITTING
1	D3301-1	PLACARD
1	D3301-3	PLACARD
1	D3302-1	DOUBLER
1	D3302-3	DOUBLER
2	D3329-1	BUSHING
4	AN3-5A	BOLT
1	AN814-6D	PLUG
2	AN815-6D	UNION
1	AN815-8D	UNION (WAS AN815-6D)
1	AN832-6D	UNION
1	AN833-6D	ELBOW
1	AN833-8D	ELBOW (WAS AN833-6D)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE #02)

DATE: 10.01.07
CERT. NO.: SH04-54
ISSUE NO.: 1

A	NEW ISSUE	RF	10.01.07
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED		DRAWING NO. DSI 9494 REV. A SHEET 1 OF 3	
MFG. APPR.	N/A		
APPROVED		TITLE 212/412 CANISTER UPGRADE KIT SCALE NTS	
DE APPR.			
DATE	10.01.07	<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

W/O:		WORK ORDER CHANGES					
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Continue from previous sheet

4	AN924-6D	NUT
1	AN924-8D	NUT (WAS AN924-6D)
1	AN938-6D	TEE
4	AN960JD10L	WASHER (OR NAS1149D0332J)
8	AN960JD10	WASHER (OR NAS1149D0363J)
2	AN960JD916	WASHER
4	MS21042L3	NUT
2	MS21919WDG9	CLAMP
2	MS21920-42	CLAMP
8	MS29512-06	O-RING (WAS MS28778-6)
2	MS29512-08	O-RING (WAS MS28778-6)
1	MS35489-11	GROMMET

FOR CUSTOMERS WHO HAVE EXPERIENCED THIS PROBLEM IN SERVICE, THE DSI 9494-011 UPGRADE KIT IS AVAILABLE TO UPGRADE THE INSTALLATION FROM CHG 001 TO CHG 002.

QTY -011	PART NUMBER	DESCRIPTION
X	DSI 9494-011	212/412 CANISTER UPGRADE KIT
1	D3262-043	CANISTER ASSEMBLY
1	D4054-001	TUBE ASSEMBLY
1	D4054-003	TUBE ASSEMBLY
1	D4054-009	TUBE ASSEMBLY
1	D3299-7	FITTING
1	AN815-8D	UNION
1	AN833-8D	ELBOW
1	AN924-8D	NUT
2	MS29512-08	O-RING

WEIGHT AND BALANCE:
NO CHANGE

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 10.01.07
CERT. NO.: SH04-54
ISSUE NO.: 1

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	RF	
CHECKED	<i>[Signature]</i>	DRAWING NO. DSI 9494 REV. A
MFG. APPR.	<i>[Signature]</i>	SHEET 2 OF 3
APPROVED	<i>[Signature]</i>	TITLE 212/412 CANISTER UPGRADE KIT SCALE NTS
DE APPR.	<i>[Signature]</i>	
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Dart Aerospace Ltd

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